

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) A ~~system for a lower extremity prosthesis~~ prosthetic foot comprising:

a longitudinally extending foot keel having a forefoot portion at one end, a hindfoot portion at an opposite end and ~~a~~ an upwardly arched midfoot portion extending between said forefoot and hindfoot portions;

an ankle secured to the foot keel;

an upstanding calf shank extending upward from the ankle;

wherein the ankle and calf shank are monolithically formed by as a resilient member having a reversely curved lower end secured to the foot keel to form the ankle and extending which extends upward from the foot keel by way of an anterior facing convexly curved coiled portion of the member, and a posterior calf device on the prosthesis to store energy during force loading of the prosthesis and return the stored energy during force unloading to increase the kinetic power generated for propulsive force by the prosthesis in gait, wherein the posterior calf device includes at least one elongated member extending between the upper portion of the calf shank and a lower portion of the prosthetic foot, and at least one spring which is resiliently biased by the at least one elongated member in response to anterior movement of the upper end of the shank for storing energy,

wherein the resilient member is secured to the foot keel by way of a coupling element which is monolithically formed with the forefoot portion of the foot keel, wherein the hindfoot portion and the midfoot portion of the foot keel are monolithically formed and connected to the monolithically formed forefoot portion and coupling element, and wherein the coupling element extends posteriorly from the forefoot portion as a cantilever over the midfoot portion and part of the hindfoot portion of the foot keel,

wherein the reversely curved lower end of the resilient member is in the form of a posteriorly-oriented spiral, and wherein the coupling element forms

an anterior facing concavity within which the reversely curved lower end of the resilient member is housed.

2. - 6. (cancelled)

7. (currently amended) The ~~system-prosthetic foot~~ according to claim ~~6~~1, wherein a radially inner end of the spiral of the resilient member is fastened to the coupling element.

8. (currently amended) The ~~system-prosthetic foot~~ according to claim 1, wherein the coupling element includes a stop to limit dorsiflexion of the resilient member.

9. (currently amended) The ~~system-prosthetic foot~~ according to claim 1, further comprising a cosmetic covering in the shape of a human foot and lower leg, the cosmetic covering being located over the foot keel, ankle and at least the lower end of the calf shank with the calf shank extending upward from the ankle within the lower leg covering.

10. - 11. (cancelled)

12. (currently amended) The ~~system-prosthetic foot~~ according to claim ~~11~~1, wherein the at least one spring includes a coiled spring with a free end connected to the elongated member, the coiled spring being resiliently expanded in response to anterior movement of the upper end of the shank in gait for storing energy.

13. - 47. (cancelled)

48. (currently amended) The ~~system-prosthetic foot~~ according to claim ~~47~~1, ~~wherein the foot includes an upwardly arched midfoot portion, and~~ wherein the coupling element is configured to position a lower end of the ankle ~~in the system~~ at a height above the ground higher than the upwardly arched midfoot portion of the foot keel.